

### AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A network system that seamlessly integrates wireless communication systems, the network system being characterized in that a common core network providing a common platform for a plurality of radio communication networks comprises:

a mobility manager that supports roaming mobile hosts and a resource manager that coordinates traffic distribution and is responsible for resource allocation and admission control to support the traffic distribution in the common core network;

the common core network that supports mobile hosts roaming within a homogeneous radio communication network and between heterogeneous radio communication networks based on a lower network layer of OSI model while ensuring service quality;

in one area,

~~a~~ the common core network enabling Internet access via a gateway router and access to a base station via a base station interface; and

a plurality of common core ~~network structures~~ networks each of which is the same as that residing in said area, and that are each arranged in corresponding areas via the Internet.

2. (Currently Amended) A seamless integrated network system for wireless communication systems according to claim 1, characterized by having a micromobility management function supporting, in ~~one~~ the common core network, prompt handover for any mobile host roaming between base stations belonging to homogeneous radio communication networks or between base stations belonging to heterogeneous radio communication networks or between routers; and

a macromobility management function supporting, between a plurality of common core networks, handover for any mobile host roaming between base stations belonging to homogeneous radio communication networks, or between base stations belonging to heterogeneous radio communication networks, or between routers.